BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Work Slip: As per Std Tender Documents

Name of Work: Developments of roads and drains at Kogilu Layout Main and Cross Roads ward no.05 (Jakkur) Byrathiyanapura Sub division

Estimate amount:- [redacted]

Name of Contractor:- G Venkategowda

Approved amount:- 3,51,65,209.00

Tender premium:- 4.95% Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	3383.75	225.93	764491.00	3463.88	3463.88	225.93	782594.00	0.00	225.93	0.00	782594.00	18103.00	0.00	
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	434.39	5690.22	2471775.00	452.61	452.61	5690.22	2575468.00	0.00	5690.22	0.00	2575468.00	103693.00	0.00	
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.	Tn	50.94	75906.30	3866667.00	53.86	53.86	75906.30	4088284.00	0.00	75906.30	0.00	4088284.00	221617.00	0.00	
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm	Cum	835.35	7420.09	6198372.00	876.24	876.24	7420.09	6501801.00	0.00	7420.09	0.00	6501801.00	303429.00	0.00	
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete. (Data Rate)	Sqm	2308.50	2452.65	5661943.00	2322.32	2322.32	2452.65	5695826.00	0.00	2452.65	0.00	5695826.00	33883.00	0.00	
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete	Sqm	59.52	5686.13	338438.00	82.62	74.40	5686.13	423048.00	8.22	5418.00	44536.00	467584.00	129146.00	0.00	
8	KSRRB M1001-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trueing bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per	Cum	2035.12	67.10	136557.00	2102.44	2102.44	67.10	141074.00	0.00	67.10	0.00	141074.00	4517.00	0.00	

Sl No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per	Cum	834.99	2093.64	1748168.00	916.75	916.75	2093.64	1919341.00	0.00	2093.64	0.00	1919341.00	171173.00	0.00	
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	1252.49	2100.32	2630630.00	1375.12	1375.12	2100.32	2888198.00	0.00	2100.32	0.00	2888198.00	257568.00	0.00	
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means	Sqm	5566.60	31.15	173400.00	6111.66	6111.66	31.15	190378.00	0.00	31.15	0.00	190378.00	16978.00	0.00	
	Grand total													1260107.00	0.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	35165209.00
Excess Amount =	1260107.00
Savings Amount =	1260279.00

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	3.58	%

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

"WORK SLIP APPROVED"

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BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Comparitive Statement

Name of Work:	Developments of roads and drains at Kogilu Layout Main and Cross Roads ward no.08 (Jakkur) Byatarayanapura Sub division
Estimate Amount:-	40,000,000.00
Name of Contractor:-	G Venkategowda
Approved amount:-	35,165,209.00
Tender premium:-	4.95% Above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be	Cum	3383.75	225.93	764490.64	3463.88	3463.88	225.93	782594.00	0.00	225.93	0.00	3463.88	782594.00	18103.36	0.00	
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials,	Cum	434.39	5690.22	2471774.67	452.61	452.61	5690.22	2575468.00	0.00	5690.22	0.00	452.61	2575468.00	103693.33	0.00	
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted in	Cum	24.54	6031.75	148019.15	20.97	20.97	6031.75	126462.00	0.00	6031.75	0.00	20.97	126462.00	0.00	21557.15	
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.	Tn	50.94	75906.30	3866666.92	53.86	53.86	75906.30	4088284.00	0.00	75906.30	0.00	53.86	4088284.00	221617.08	0.00	
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering,	Cum	835.35	7420.09	6198372.18	876.24	876.24	7420.09	6501801.00	0.00	7420.09	0.00	876.24	6501801.00	303428.82	0.00	
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	2308.50	2452.65	5661942.53	2322.32	2322.32	2452.65	5695826.00	0.00	2452.65	0.00	2322.32	5695826.00	33883.47	0.00	
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per	Sqm	59.52	5686.13	338438.46	82.62	74.40	5686.13	423048.00	8.22	5418.00	44536.00	82.62	467584.00	129145.54	0.00	
8	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire	Nos	2727.00	453.88	1237730.76	2330.00	2330.00	453.88	1057540.00	0.00	453.88	0.00	2330.00	1057540.00	0.00	180190.76	
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	429.45	89.00	38221.05	366.91	366.91	89.00	32655.00	0.00	89.00	0.00	366.91	32655.00	0.00	5566.05	

		Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto [illegible]			[illegible]			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
2		3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
	0-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per	Cum	2035.12	67.10	136556.55	2102.44	2102.44	67.10	141074.00	0.00	67.10	0.00	2102.44	141074.00	4517.45	0.00	
11	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	6308.00	6.68	42137.44	4416.07	4416.07	6.68	29499.00	0.00	6.68	0.00	4416.07	29499.00	0.00	12638.44	
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on	Cum	834.99	2093.64	1748168.46	916.75	916.75	2093.64	1919341.00	0.00	2093.64	0.00	916.75	1919341.00	171172.54	0.00	
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver	Cum	1252.49	2100.32	2630629.80	1375.12	1375.12	2100.32	2888198.00	0.00	2100.32	0.00	1375.12	2888198.00	257568.20	0.00	
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specification.	Sqm	5566.60	31.15	173399.59	6111.66	6111.66	31.15	190378.00	0.00	31.15	0.00	6111.66	190378.00	16978.41	0.00	
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.	Sqm	5141.40	5.56	28586.18	3382.57	3382.57	5.56	18807.00	0.00	5.56	0.00	3382.57	18807.00	0.00	9779.18	
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specification.	Sqm	16708.00	13.35	223051.80	14572.39	14572.39	13.35	194541.00	0.00	13.35	0.00	14572.39	194541.00	0.00	28510.80	
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled,	Cum	535.40	6724.80	3600457.92	474.83	474.83	6724.80	3193166.00	0.00	6724.80	0.00	474.83	3193166.00	0.00	407291.92	
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth	Cum	428.32	7910.68	3388302.46	379.80	379.80	7910.68	3004438.00	0.00	7910.68	0.00	379.80	3004438.00	0.00	383864.46	
19	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement	Cum	240.00	4077.15	978516.00	219.30	219.30	4077.15	894126.00	0.00	4077.15	0.00	219.30	894126.00	0.00	84390.00	
20	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate conforming to IS: 383 maximum size of coarse aggregate not	Cum	240.00	5468.84	1312521.60	219.30	219.30	5468.84	1199326.00	0.00	5468.84	0.00	219.30	1199326.00	0.00	113195.60	

		Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
	0-13.Road Marking with Hot Applied Thermoplastic mpound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is	Sqm	371.20	477.24	177151.49	343.34	343.34	477.24	163856.00	0.00	477.24	0.00	343.34	163856.00	0.00	13295.49	
	Sub Total				**35165209.00**				**35120428.00**			**44536.00**		**35164964.00**	**1260108.21**	**1260279.84**	
	Miscellaneous & Rounding off													**245.00**	**245.00**		
	Total				**35165209.00**									**35165209.00**	**1260353.21**	**1260279.84**	

Contractor

Assistant Engineer

Asst. Executive Engineer

Executive Engineer

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